

CLAIMS

What is claimed is:

Substantive

000001-1500000

1. In a system for electronically transmitting to an electronic mail (e-mail) server electronic data derived from optically scanning a document, a method for recovering from a failure in the complete transmission of the electronic data to the e-mail server, the method comprising:

- (a) storing the electronic data to a storage device;
- (b) detecting a failure in the complete transmission of electronic data to the e-mail server;
- (c) establishing communication with the e-mail server; and,
- (d) transmitting the electronic data from the storage device to the e-mail server.

2. The method of claim 1 wherein the failure includes an interruption in electrical power, wherein storing the electronic data to a storage device includes storing the electronic data to a non-volatile storage device, and wherein detecting the failure in the complete transmission of electronic data includes examining the storage device for the electronic data after the interruption in electrical power.

3. The method of claim 1 further including monitoring a communication status with the e-mail server, wherein the failure includes a failure in communications with the e-mail server, and wherein detecting the failure includes detecting the failure in communications with the e-mail server.

4. The method of claim 1 further including before detecting the failure, establishing communication with the e-mail server and wherein the failure interrupts communication with the e-mail server.

1 10. The system of claim 8 further including means for monitoring a
2 communication status with the e-mail server, wherein the failure includes a
3 failure in communications with the e-mail server, and wherein the means for

4 detecting the failure includes means for detecting the failure in communications
5 with the e-mail server.

1 11. The system of claim 8 further including means for confirming
2 receipt of the electronic data by the e-mail server.

1 12. The system of claim 8 further including means for removing the
2 electronic data from the storage device after the transmission of electronic data
3 to the e-mail server.

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1 13. A program storage system readable by a computer, tangibly
2 embodying a program, applet, or instructions executable by the computer to
3 perform method steps for recovering from a failure in a complete transmission of
4 electronic data to an e-mail server, the electronic data derived from optically
5 scanning a document, the method steps comprising:
6 (a) storing the electronic data to a storage device;
7 (b) detecting a failure in the complete transmission of electronic
8 data to the e-mail server; and,
9 (c) establishing communication with the e-mail server; and,
10 (d) transmitting the electronic data from the storage device to
11 the e-mail server.

1 14. The program storage system of claim 13 wherein the failure
2 includes an interruption in electrical power, wherein the method step of storing
3 the electronic data to a storage device includes storing the electronic data to a
4 non-volatile storage device, and wherein the method step of detecting the failure
5 in the complete transmission of electronic data includes examining the storage
6 device for the electronic data after the interruption in electrical power.

1 15. The program storage system of claim 13 further including the
2 method step of monitoring a communication status with the e-mail server,

1 16. The program storage system of claim 13 further including the
2 method step, before detecting the failure, establishing communication with the
3 e-mail server and wherein the failure interrupts communication with the e-mail
4 server.

1 18. The program storage system of claim 16 further including the
2 method step, before detecting the failure and after establishing communication
3 with the e-mail server, beginning transmission of the electronic data to the e-
4 mail server and wherein the failure interrupts the transmission of electronic data
5 to the e-mail server.

20. The program storage system of claim 13 further including the method step, removing the electronic data from the storage device after the transmission of electronic data to the e-mail server.